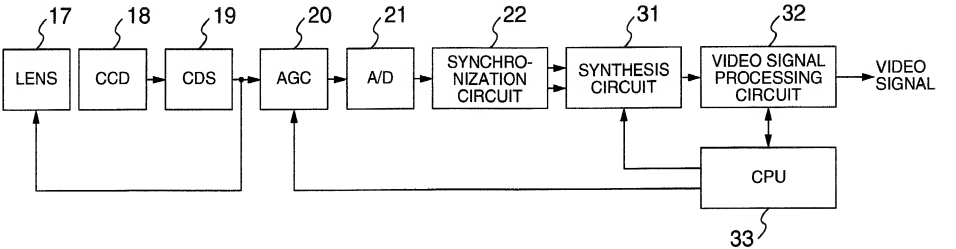
10121111 26688660

FIG. 1
PRIOR ART



E 6306

JP2000-260660

FIG. 2

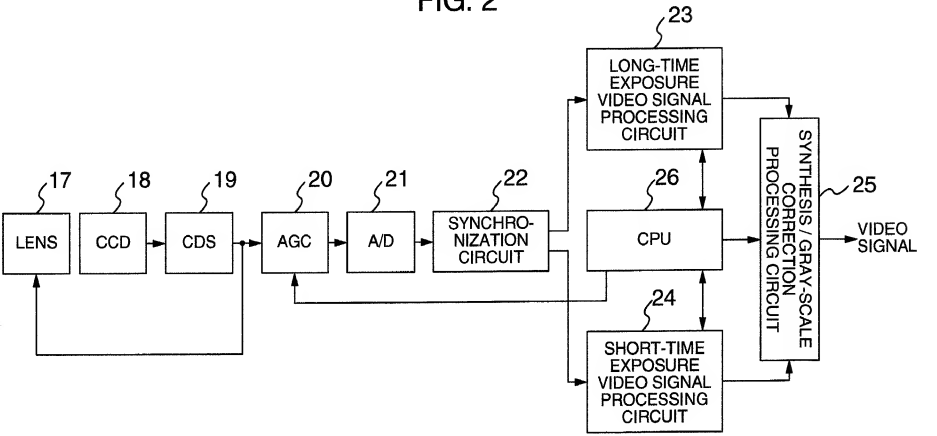


FIG. 3

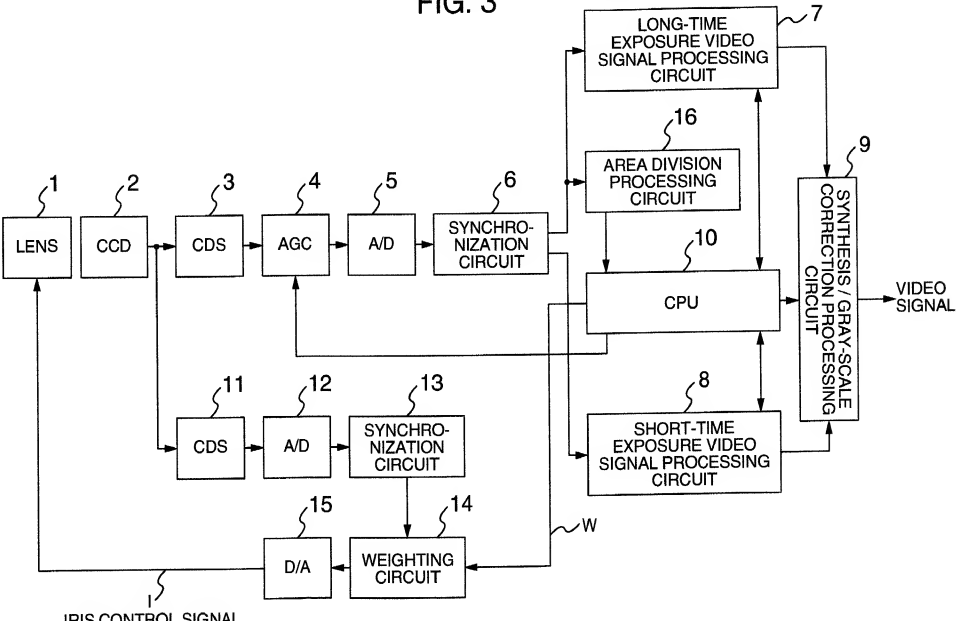

LONG-TIME EXPOSURE VIDEO SIGNAL PROCESSING CIRCUIT
7
16
AREA DIVISION PROCESSING CIRCUIT
9
SYNTHESIS / GRAY-SCALE CORRECTION PROCESSING CIRCUIT
VIDEO SIGNAL
1
LENS
2
CCD
3
CDS
4
AGC
5
A/D
6
SYNCHRO-NIZATION CIRCUIT
10
CPU
11
CDS
12
A/D
13
SYNCHRO-NIZATION CIRCUIT
8
SHORT-TIME EXPOSURE VIDEO SIGNAL PROCESSING CIRCUIT
15
D/A
14
WEIGHTING CIRCUIT
W
I
IRIS CONTROL SIGNAL

FIG. 4

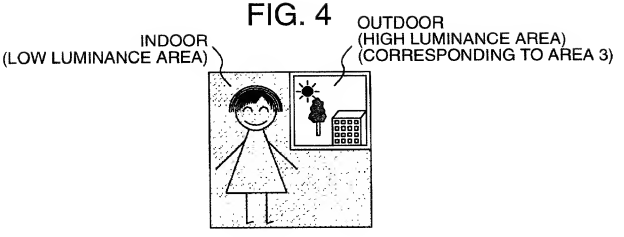


FIG. 5

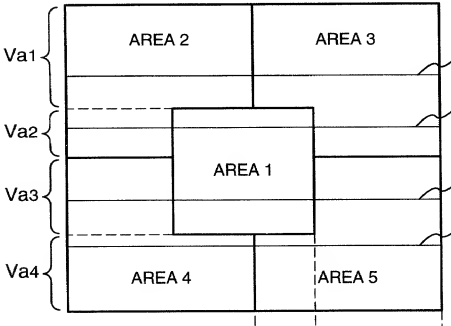
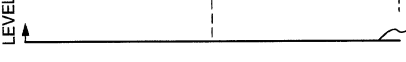


FIG. 6A

FIG. 6B

FIG. 6C



patent-2005050

FIG. 7A

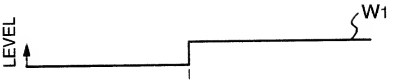


FIG. 7B

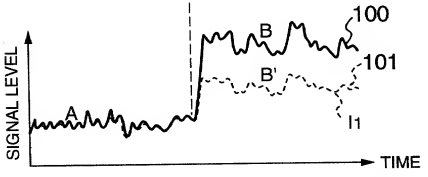


FIG. 7C

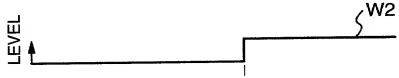


FIG. 7D

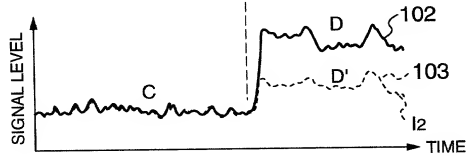


FIG. 7E

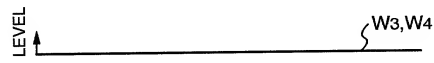


FIG. 7F

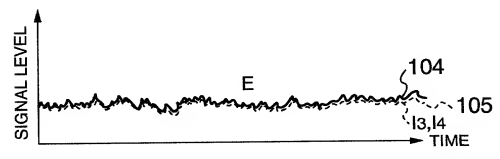
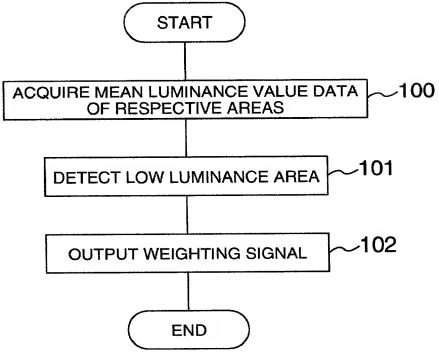


FIG. 8


START
ACQUIRE MEAN LUMINANCE VALUE DATA OF RESPECTIVE AREAS
100
DETECT LOW LUMINANCE AREA
101
OUTPUT WEIGHTING SIGNAL
102
END